

Polychlorinated naphthalenes

Introduction

The polychlorinated naphthalenes (PCNs) have been long recognised as persistent, ubiquitous environmental pollutants. Their presence in the environment is largely the result of the use of technical products, such as the Halowax series, as flame retardants and dielectric fluids.

Code	Product	Unit
Industrial products		
U-HPCK-2F	Halowax 1000 100 µg/mL in Hexane	2 mL
U-HPCK-2G	Halowax 1001 100 µg/mL in Hexane	2 mL
U-HPCK-2E	Halowax 1013 100 µg/mL in Hexane	2 mL
U-HPCK-2C	Halowax 1051 100 µg/mL in Hexane	2 mL
U-HPCK-2D	Halowax 1099 100 µg/mL in Hexane	2 mL
Single congeners		
U-RCN-002	1-Chloronaphthalene	100 mg
CIL-ECN-2610	1-Chloronaphthalene 100 µg/mL in Nonane (Chemical purity: 90%, 10% 2-Monochloronaphthalene)	1 mL
U-RCN-003	2-Chloronaphthalene	100 mg
CIL-ECN-2611	2-Chloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2620	1,2-Dichloronaphthalene 100 µg/mL in Nonane (Chemical purity: 92%)	1 mL
U-RCN-005	1,4-Dichloronaphthalene	25 mg
CIL-ECN-2621	1,4-Dichloronaphthalene 100 µg/mL in Nonane (Chemical purity: 92%)	1 mL
U-RCN-006	1,5-Dichloronaphthalene	25 mg
CIL-ECN-2622	1,5-Dichloronaphthalene 100 µg/mL in Nonane (Chemical purity: 91%)	1 mL
CIL-ECN-2623	1,8-Dichloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2624	2,3-Dichloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2630	1,2,3-Trichloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2640	1,2,3,4-Tetrachloronaphthalene 100 µg/ml in Nonane	1 mL
CIL-ECN-5240	1,2,3,4-Tetrachloronaphthalene (¹³ C ₁₀ ,99%) (Chemical purity: 96%) 10 µg/mL in Isooctane	1.2 mL
CIL-ECN-2642	1,2,5,6-Tetrachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2641	1,3,5,7-Tetrachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-5241	1,3,5,7-Tetrachloronaphthalene (¹³ C ₁₀ ,99%) 10 µg/mL in Isooctane	1.2 mL
CIL-ECN-2643	2,3,6,7-Tetrachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2652	1,2,3,4,6-Pentachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2651	1,2,3,5,7-Pentachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-5250	1,2,3,5,7-Pentachloronaphthalene (¹³ C ₁₀ ,99%) 10 µg/mL in Isooctane	1.2 mL
CIL-ECN-2650	1,2,3,5,8-Pentachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2653	1,2,3,6,7-Pentachloronaphthalene 100 µg/mL in Nonane (Chemical purity: 96%)	1 mL
CIL-ECN-5260	1,2,3,4,5,7-Hexachloronaphthalene (¹³ C ₁₀ ,99%) 10 µg/mL in Isooctane	1.2 mL
CIL-ECN-2660	1,2,3,4,6,7-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2663	1,2,3,5,6,7-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-5261	1,2,3,5,6,7-Hexachloronaphthalene (¹³ C ₁₀ ,98%) 10 µg/mL in Isooctane (contains 0.2% native)	1.2 mL
CIL-ECN-2664	1,2,3,5,6,8-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2662	1,2,3,5,7,8-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2665	1,2,3,6,7,8-Hexachloronaphthalene 100 µg/mL in Nonane (Chemical purity: 97%)	1 mL
CIL-ECN-2666	1,2,4,5,6,8-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2661	1,2,4,5,7,8-Hexachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2670	1,2,3,4,5,6,7-Heptachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-5270	1,2,3,4,5,6,7-Heptachloronaphthalene (¹³ C ₁₀ ,98%) 10 µg/mL in Isooctane (contains 2% native)	1.2 mL

Polychlorinated benzenes

Code	Product	Unit
CIL-ECN-2671	1,2,3,4,5,6,8-Heptachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-2680	Octachloronaphthalene 100 µg/mL in Nonane	1 mL
CIL-ECN-5280	Octachloronaphthalene (¹³ C ₁₀ ,99%) 10 µg/mL in Isooctane	1.2 mL
CIL-ECN-5178	Tetra-Octa PCN Mixture Solvent: Nonane 1,2,3,4-Tetrachloronaphthalene..... 1 µg/mL 1,3,5,7-Tetrachloronaphthalene..... 1 µg/mL 1,2,3,5,7-Pentachloronaphthalene..... 1 µg/mL 1,2,3,5,6,7-Hexachloronaphthalene..... 1 µg/mL 1,2,3,4,5,6,7-Heptachloronaphthalene..... 1 µg/mL Octachloronaphthalene..... 1 µg/mL	1.2 mL
CIL-ECN-5102	Tetra-Octa PCN Mixture Solvent: Isooctane 1,2,3,4-Tetrachloronaphthalene (¹³ C ₁₀ ,99%) 1.0 µg/mL 1,3,5,7-Tetrachloronaphthalene (¹³ C ₁₀ ,99%) 1.0 µg/mL 1,2,3,5,7-Pentachloronaphthalene (¹³ C ₁₀ ,99%) 1.0 µg/mL 1,2,3,5,6,7-Hexachloronaphthalene (¹³ C ₁₀ ,98%) 1.0 µg/mL 1,2,3,4,5,6,7-Heptachloronaphthalene (¹³ C ₁₀ ,98%) 1.0 µg/mL Octachloronaphthalene (¹³ C ₁₀ ,99%) 1.0 µg/mL	1.2 mL

